

Amendments to the Claims

1-21 (Cancelled)

10/05/2004
*insert
amendment
(see Examiner's
amendment,
page 1)*
~~22. 23~~ (Previously presented) A pressure sensitive adhesive comprising a blend of: (1) ~~the pressure sensitive adhesive of claim 1~~ and (2) a second pressure sensitive adhesive comprising: (a) a major amount of at least one acrylate or methacrylate ester; (b) from about 0.5% to about 10% by weight of at least one nitrogen containing monomer; (c) from about 0.5% to about 15% by weight of an unsaturated carboxylic acid; and (d) at least one cross linkable monomer.

~~23. 25~~ (Original) The adhesive of claim ~~22~~ ²⁴ further comprising a cross linking agent.

~~24. 26~~ (Original) The adhesive of claim ~~23~~ ²⁵ wherein the crosslinking agent is aluminum acetylacetonate or a polyamine.

~~25. 1~~ (Previously presented) A pressure sensitive adhesive comprising a blend of: (1) a pressure sensitive adhesive comprising: (a) a major amount of at least one acrylate or methacrylate ester; (b) from about 8% to about 30% by weight of at least one nitrogen containing monomer; and (c) at least one unsaturated carboxylic acid, and (2) a second pressure sensitive adhesive comprising: (a) a major amount of at least one acrylate or methacrylate ester; (b) from about 0.5% to about 10% by weight of at least one nitrogen containing monomer; (c) at least one unsaturated carboxylic acid; and (d) at least one crosslinkable monomer.

~~26. 2~~ (Original) The adhesive of claim ~~25~~ ¹ wherein (a) of (1) and (2) is independently an acrylate or methacrylate ester containing from about one to about 24 carbon atoms in the alkyl group.

~~27. 3~~ (Original) The adhesive of claim ~~25~~ ¹ wherein (a) of (1) and (2) is independently selected from 2-ethyl hexyl acrylate, isooctyl acrylate, butyl acrylate, sec-butyl acrylate, methyl butyl acrylate, 4-methyl-2-pentyl acrylate, isodecyl methacrylate, their hydroxy substituted analogs, and mixtures thereof.

~~28.~~⁴ (Original) The adhesive of claim ~~25~~¹ wherein (b) of (1) and (2) is independently selected from N-vinyl pyrrolidone, N-vinyl caprolactam, 1-vinyl-2-piperidone, 1-vinyl-5-methyl-2-pyrrolidone, and mixtures thereof.

~~29.~~⁵ (Original) The adhesive of claim ~~25~~¹ wherein (b) of (1) and (2) is independently N-vinyl pyrrolidone.

~~30.~~⁶ (Previously presented) The adhesive of claim ~~25~~¹ wherein (c) of (1) and (2) each comprise at least one acid independently acrylic acids, methacrylic acids, fumaric acid, maleic acid or anhydride, allyl acids, and mixtures of two or more thereof.

~~31.~~⁷ (Original) The adhesive of claim ~~25~~¹ wherein (c) of (1) and (2) independently is present in an amount from about 0.5% to about 15%.

~~32.~~⁸ (Original) The adhesive of claim ~~25~~¹ wherein (1) further comprises (d) at least one cross linkable monomer, or mixtures of two or more thereof.

~~33.~~⁹ (Previously presented) The adhesive of claim ~~32~~⁸ wherein (d) is at least one glycidyl monomer.

~~34.~~¹⁰ (Original) The adhesive of claim ~~32~~⁸ wherein (d) comprises epoxy acrylate or methacrylate esters or glycidyl allyl esters.

~~35.~~¹¹ (Original) The adhesive of claim ~~32~~⁸ wherein (d) is present in an amount from about 0.05% to 2%.

~~36.~~¹² (Previously presented) The adhesive of claim ~~25~~¹ wherein (2) further comprises (e) at least one alkyl acrylate and methacrylate adhesive ester containing less than 4 carbon atoms.

~~37.~~¹³ (Previously presented) The adhesive of claim ~~36~~¹² wherein (d) is at least one glycidyl monomer.

~~38.~~¹⁴ (Previously presented) The adhesive of claim ~~25~~¹ wherein (d) the at least one cross linkable monomer is selected from epoxy acrylate or methacrylate esters and glycidyl allyl esters.

~~39.~~¹⁵ (Previously presented) The adhesive of claim ~~25~~¹ wherein (d) is present in an amount from about 0.05% to 2%.

~~40.~~¹⁶ (Original) The adhesive of claim ~~25~~¹ wherein (1) and (2) independently further comprise (e) at least one alkyl acrylate and methacrylate

ester containing less than 4 carbon atoms in the alkyl group, (f) at least one co-polymerizable monomer, or mixtures of two or more thereof.

~~41.~~¹⁷ (Previously presented) The adhesive of claim ~~40~~¹⁶ wherein (e) the at least one alkyl acrylate is methyl acrylate, ethyl acrylate, methyl methacrylate, or ethyl methacrylate.

~~42.~~¹⁸ (Previously presented) The adhesive of claim ~~41~~¹⁷ wherein (f) comprises one or more co-polymerizable monomers selected from polystyryl ethyl methacrylate, acetoacetoxyl ethyl methacrylate, alpha olefins, and vinyl esters of alkanolic acids containing more than three carbon atoms.

~~43.~~¹⁹ (Original) The adhesive of claim ~~25~~¹ further comprising a tackifier, plasticizer, or mixtures thereof.

~~44.~~²⁰ (Original) The adhesive of claim ~~43~~¹⁹ wherein the plasticizer is selected from an adipate, a phosphate, a benzoate, a phthalate esters, a polyalkylene oxide, a sulfonamide, and mixtures of two or more thereof.

~~45.~~²¹ (Original) The adhesive of claim ~~25~~¹ further comprising a cross linking agent.

~~46.~~²² (Original) The adhesive of claim ~~45~~²¹ wherein the crosslinking agent is aluminum acetylacetonate or a polyamine.

47-58. (Cancelled)

~~59.~~²⁴ (Previously presented) The adhesive of claim ~~22~~²⁴ wherein (1)(b) is present in an amount from about 12% to about 30%.

~~60.~~²³ (Previously presented) The adhesive of claim ~~25~~¹ wherein (1)(b) is present in an amount from about 12% to about 30%.